

Gas-turbine construction

Patent Number: ☐ US6202402
Publication date: 2001-03-20
Inventor(s): SATTELMAYER THOMAS (DE)
Applicant(s): ABB RESEARCH LTD (US)
Requested Patent: ☐ EP0889289, A3, B1
Application Number: US19980106095 19980629
Priority Number(s): DE19971027730 19970630
IPC Classification: F02C7/10
EC Classification: F02C7/08, F23R3/00C, F23R3/40
Equivalents: ☐ DE19727730

Abstract

Described are a gas-turbine construction and a method of operating this gas-turbine construction, having an air compressor, a heat exchanger connected downstream of the air compressor, a combustion chamber, and a turbine which can be driven by hot combustion gases and from which the combustion gases are fed to the heat exchanger for heating the compressed supply air coming from the air compressor. The invention is distinguished by the fact that the heat exchanger and the combustion chamber are integrated in a common unit, and that fuel can be added to the supply air before entry into the unit, which fuel can be ignited catalytically in the form of an air/fuel mixture inside the unit, in which a catalyst is provided

Data supplied from the esp@cenet database - I2